

IDG2003 – Lab5

Exercise 1 : - In this lab, the task is to create a script that uploads a simple .csv file, and processes that data to populate an associative array. And finally print the content of the array in a table.

- Create a simple php script for uploading files. There is an example in lecture 5 slides and lecture examples. (Copy Paste! And make it work).
- Given a csv file, try to upload it and read the content in it. Its content may look familiar to you(if you have done lab 3). (Hint, it may be best to read line by line and splitting the strings extracted into arrays, refer to (c))

A	B	C
Animal Name	Class	Habitat
Dolphin	Mammal	Aquatic
Frog	Reptile	Amphibian
Lion	Mammal	Terrestrial
Gecko	Reptile	Terrestrial
Penguin	Bird	Amphibian
Rattlesnake	Reptile	Terrestrial
Eagle	Bird	Terrestrial
Salmon	Fish	Aquatic
Elephant	Mammal	Terrestrial
Sea Turtle	Reptile	Aquatic
Shark	Fish	Aquatic

- Arrange the data in an 2 numerical arrays :
 - The first array is a simple numerical array containing the headers(the title of each column)
 - The second array is a 2-dimensional numerical array containing the values. Note that each row acts as an entry.
(Hint: you can use the explode() function with delimiter ';' to break a string from a csv file into an array. We covered this in lecture 5, check it out)
- From these 2 arrays, use foreach...as loops to populate an associative array, where the values of the first array containing the headers are the keys to the values in the 2nd array.

Expected results :

```
Array
(
    [0] => Array
        (
            [Animal Name] => Dolphin
            [Class] => Mammal
            [Habitat] => Aquatic
        )
    [1] => Array
        (
            [Animal Name] => Frog
            [Class] => Reptile
            [Habitat] => Amphibian
        )
)
```

- (e) Using the created associative array, populating a table with the data should be fairly easy. Again, you can make use of a foreach...as loop to do so. Remember that the keys in your associative array should be the headers in your table.

Your final page should like so :

localhost:3300/demo/Lab5/Lab5_fileUpload.php

Select File : No file chosen

File uploaded successfully!

```
Array
(
    [filename] => Array
        (
            [name] => data.csv
            [type] => application/vnd.ms-excel
            [tmp_name] => C:\Users\munis\AppData\Local\Temp\php86B1.tmp
            [error] => 0
            [size] => 306
        )
)
```

File name is data.csv

Animal Name	Class	Habitat
Frog	Reptile	Amphibian
Lion	Mammal	Terrestrial
Gecko	Reptile	Terrestrial
Penguin	Bird	Amphibian
Rattlesnake	Reptile	Terrestrial
Eagle	Bird	Terrestrial
Salmon	Fish	Aquatic
Elephant	Mammal	Terrestrial
Sea Turtle	Reptile	Aquatic
Shark	Fish	Aquatic

You can create your own csv files and upload them to see what happens.